

WHAT IS CLAIMED IS:

1. An ultraslim slot-in type drive device adapted to insert or release a disk type recording medium through a slot, comprising:

a top link plate having a slot at one side through which a recording medium is inserted and exited, and having a clamp for clamping said recording medium;

a main body separated from said top link plate and having a rotating means for rotating said recording medium;

control means configured to control said top link plate to descend by detecting the insertion of said recording medium into said top link plate and to activate said rotating means, and also configured to control said top link plate to ascend according to the input of the signal commanding the exit of said recording medium and to stop the activation of said rotating means; and

ascent and descent means for coupling said top link plate to said main body for vertical movement and ascending and descending said top link plate according to the control of said control means.

2. The device as defined in claim 1, wherein said ascent and descent means includes:

a hinge coupling part pivotally fixing said top link plate to one end of said main body;

an ascent and descent device for pivoting said top link plate from said main body; and

an ascent and descent driver for activating said ascent and descent device according to the control of said control means.

3. The device as defined in claim 1 or 2, wherein said top link plate includes:

moving means for carrying said recording medium between the inlet and the inside of said slot, wherein said moving means includes:

a resilient member equipped at the inside wall of the inlet of said slot and having a protruded part configured to generate resilient force toward both oblique

directions and to contact the lateral surface of said recording medium, wherein said both oblique parts are disposed to face the inlet and the inside of said slot, respectively; and

lever means for pushing out said recording medium from the inside of said slot to the inlet direction.

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4. The device as defined in claim 3, wherein the inlet of said slot is further mounted with a stopper made with a material having a high frictional coefficient and being in contact with the lateral surface of said recording medium.

10 5. The device as defined in claim 3, wherein the inside of said slot is further mounted with a guiding means having a concave groove into which the lateral surface of said recording medium is inserted and slid.

15 6. The device as defined in claim 5, wherein said guiding means includes:
a guiding lever having a concave groove; and
a lever actuating part for pulling back or restoring said guiding lever to the original position by activating said guiding lever.